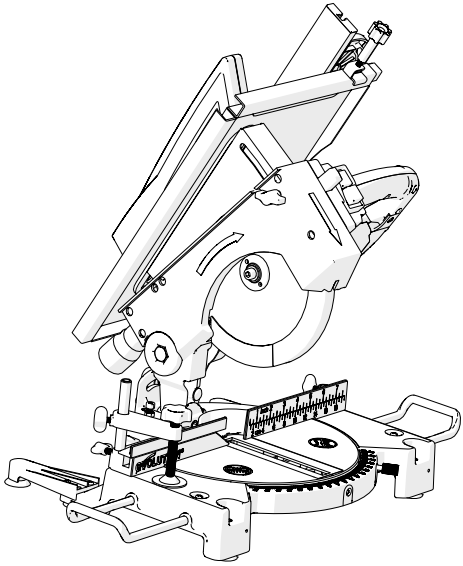
EVOLUTION®

FURY6® WITH RAGE® TECHNOLOGY

210mm TCT Multipurpose
Mitre / Table Saw

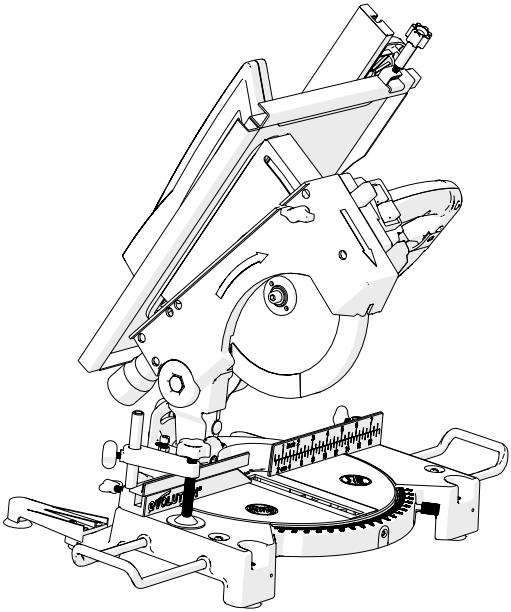
Original Instructions

Read instructions before operating this tool.



16.04.12_V9

GB	03



GB

Instruction Manual

Read instructions before operating this tool.

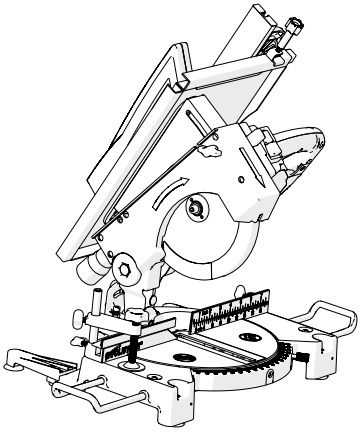


TABLE OF CONTENTS

EC - Declaration of Conformity	**4**
Important Information	**5**
12 Month Limited Warranty	**5**
General Safety Rules	**5**
Additional Specific Safety Rules	**7**
Safety Labels and Symbols	**8**
Machine Overview	**12-13**
Operation Mitre Saw	**16**
Operation Table Saw	**21**
Maintenance	**24**
Environmental Protection	**28**
Service Parts Diagram	**30**

EC - DECLARATION OF CONFORMITY

We, manufacturer and importer

Evolution Power Tools Ltd.
Venture One
Sheffield
S20 3FR

Declare that the product

Part numbers:
EVOLUTION FURY 6
Evolution: TABLE MITRE SAW

Complies with the essential requirements of the following European Directives:

2006/42/EC – Machine Directive
2006/95/EC – Low Voltage Directive
2004/108/EC – EMC Directive
2002/95/EC – Restriction of the use of Certain Hazardous Substances in Electrical and Electric Equipment

Standards and Technical specifications referred to:-

EN 61029-1
EN 61029-2-11
EN 55014-1
EN 55014-2
EN 61000-3-2
EN 61000-3-3

Authorised by

Mr. Matthew J Gavins
Managing Director
31st January 2012

All documentation is held on file at the above address and is available, on request for review.

This manual was originally written in English.

IMPORTANT

Please read these operating and safety instructions carefully and completely. For your own safety, before using this equipment check that the fitted plug and voltage are correct, and that all handles and parts are firmly secured. If you are uncertain about any aspect of using this equipment, please contact our Technical Helpline.

Technical Helpline UK 0870 609 2297

EVOLUTION TABLE MITRE SAW

Congratulations on your purchase of an Evolution Power Tools Table Mitre Saw. Please complete your product registration online to validate your machine's warranty period and ensure prompt service if needed. We sincerely thank you for selecting a product from Evolution Power Tools.

12 MONTH LIMITED WARRANTY. Evolution power tools reserves the right to make improvements and modifications to design without prior notice.

Evolution Power Tools will, within twelve (12) months from the original date of purchase, repair or replace any goods found to be defective in materials or workmanship. This warranty is void if the tool being returned has been used to cut materials beyond the recommendations in the Instruction Manual or if the machine has been damaged by accident, neglect, or improper service. This warranty does not apply to machines and / or components which have been altered, changed, or modified in any way, or subjected to use beyond recommended capacities and specifications. Electrical components are subject to respective manufacturers' warranties. All goods returned defective shall be returned prepaid freight to Evolution Power Tools. Evolution Power Tools reserves the right to optionally repair or replace it with the same or equivalent item. There is no warranty – written or verbal – for saw blades.

In no event shall Evolution Power Tools be liable for loss or damage resulting directly or indirectly from the use of our merchandise or from any other cause. Evolution Power Tools is not liable for any costs incurred on such goods or consequential damages. No officer, employee or agent of Evolution Power Tools is authorized to make oral representations of fitness or to waive any of the foregoing terms of sale and none shall be binding on Evolution Power Tools. Questions relating to this limited warranty should be directed to the company's head office, or call the appropriate Helpline number.

GENERAL SAFETY RULES

WARNING: When using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury.
Please read all of these instructions before attempting to operate this machine. Save this manual for future reference.

1. Keep work area clear. Cluttered work areas invite accidents.
2. Consider work area environment. Do not expose tools to rain. Do not use tools in damp or wet locations. Keep work area well lit. Do not use tools in the presence of flammable liquids or gases.
3. Guard against electric shock. Avoid body contact with earthed or grounded surfaces (e.g. pipes, radiators, ranges, refrigerators).
4. Keep other people away. Do not let others, especially children, come close to the work, and touch the tool or the extension lead. Keep them away from the work area.
5. Store idle tools. When not in use, tools should be stored in a dry locked-up place, out of reach of children.
6. Do not force the tool. It will do the job better and safer at the rate for which it was intended
7. Use the right tool. Do not force small tools to do the job of a heavy duty tool. Do

not use tools for purposes not intended; for example do not use circular saws to cut tree limbs or logs.
8. Dress properly. Do not wear loose clothing or jewellery, they can be caught in moving parts. Non-skid footwear is recommended when working outdoors. Wear protective hair covering to contain long hair.
9. Use protective equipment. Use safety glasses. Use face or dust mask if working operations create dust.
10. Connect dust extraction equipment. If the tool is provided for the connection of dust extraction and collection equipment, ensure these are connected and properly used.
11. Do not abuse the cord. Never yank the cord to disconnect it from the socket. Keep the cord away from heat, oil and sharp edges.
12. Secure work. Where possible, use clamps or a vice to hold the work. It's much safer than using your hand.
13. Don't over reach. Keep proper footing and balance at all times.
14. Maintain tools with care. Keep cutting tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and, if damaged, have them repaired by an authorised service facility. Inspect extension cord periodically and replace immediately if damaged. Keep handles dry, clean and free from oil and grease.
15. Disconnect tools. When not in use, before any servicing and when changing accessories such as blades, bits, cutters, disconnect tool from the power source
16. Remove adjusting keys and spanners. Form the habit of checking to see the keys and adjusting spanners are removed from the tool before turning it on.
17. Avoid unintentional starting. Ensure switch is in "off" position when plugging in.
18. Use outdoor extension leads. When the tool is used outdoors, use only extension cords intended for outdoor use and so marked.
19. Stay alert. Watch what you are doing, use common sense and do not operate the tool when you are tired.
20. Check damaged parts. Before further use of tool, it should be carefully checked to determine that it will operate properly and perform the intended function. Check for alignment of moving parts, mountings and any other components that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorised service centre unless otherwise indicated in this instruction manual. Have defective switches replaced by an authorised service centre. Do not use the tool if the switch does not turn it on and off.
21. WARNING. The use of any accessory or attachment other than one recommended in this instruction manual may present a risk of personal injury.
22. Have your tool repaired by a qualified person. This electric tool complies with relevant safety rules. Repairs should only be carried out by qualified persons using original spare parts. Otherwise this may result in considerable danger to the user.

HEALTH ADVICE

WARNING: When drilling, sanding, sawing or grinding, dust particles will be produced. In some instances, depending on the materials you are working with, this dust can be particularly harmful to you (e.g. lead from old gloss paint).You are advised to consider the risks associated with the materials you are working with and to reduce the risk of exposure.

You should:

- Work in a well-ventilated area.
- Work with approved safety equipment, such as dust masks that are specially designed to filter microscopic particles.

ADDITIONAL SAFETY INSTRUCTIONS FOR YOUR TABLE MITRE SAW

WARNING: Be sure to read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.

1. Know your power tool. Read operator's manual carefully. Learn the applications and limitations, as well as the specific potential hazards related to this tool.
2. Always wear safety glasses or eye shields when using this mitre saw. Everyday eyeglasses have only impact-resistant lenses; they are not safety glasses.
3. Always protect your lungs. Wear a face mask or dust mask if the operation is dusty.
4. Always protect your hearing. Wear hearing protection during extended periods of operation.
5. Inspect the machines power cord regularly and if damaged have it repaired or replaced. Always be aware of the cords location.
6. Always check for damaged parts. Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine if it will operate properly and perform its intended function. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation. A guard or other part that is damaged should be properly repaired or replaced at a qualified service centre. Keep guards in place and in working order.
7. Do not abuse the cord. Never use the cord to carry the tool or pull the plug from the outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately. Damaged cords increase the risk of electric shock.
8. Always make sure that your extension cord is in good condition. When using an extension cord be sure to use one that is heavy enough to carry the current that your tool will draw. An undersized cord will cause a drop in line voltage, resulting in loss of power and overheating.
9. Do not use the tool while tired or under the influence of drugs, alcohol or any medication. Following this rule will reduce the risk of electric shock, fire or serious personal injury.
10. Save these instructions. Refer to them frequently and use them to instruct others who may use this tool. If someone borrows this tool, make sure they have these instructions also.
11. When the correct blade to cut the material has been fitted, this saw is recommended for cutting steel and ferrous metals, aluminium and non-ferrous metals, wood, and plastic only.
12. Do not use saw blades with High Speed Steel (HSS) or blades that are damaged or deformed.
13. Replace the table insert when worn.
14. Use only saw blades recommended by the manufacturer and which are the exact bore and diameter required for this machine.
15. Connect your mitre saw to a dust collecting device (O.D.Ø32mm) when sawing material likely to cause dust.
16. Select saw blades in relation to the material to be cut. Use only genuine Evolution or Evolution recommended accessories.
17. Check the maximum depth of cut.
18. When sawing long work pieces, always use extra support to provide better support, and use clamps or other clamping devices.
19. Make sure the operator is adequately trained in the use, adjustment and operation of the machine.
20. Provide for adequate room lighting at your workplace or for adequate lighting of the immediate work area.
21. Refrain from removing any cut-offs or other parts of the workpiece from the cutting area whilst the machine is running and the saw head is not in the rest position. Never reach around the saw blade. Turn off tool and wait for saw blade to stop before moving workpiece or changing settings.

22. Never stand on this tool. Serious injuries could occur if this tool tips over and you come into contact with the saw blade.
23. Reduce the risk of unintentional starting. Make sure switch is in off position before plugging in.
25. Do not use the saw without the guards in position, especially after a mode change, and to keep guards in good working order and properly maintained.
26. The Riving Knife shall not be thicker than the width of the groove cut by the saw blade and not thinner than the body of the blade.
27. Ensure that the arm is securely fixed when beveling.
28. Always put the push stick into storage when not in use.
29. Keep the floor area free of loose material e.g. chips and off cuts.
30. Ensure that the bench saw table is securely fixed at the chosen height.
31. Ensure that the speed marked on the saw blade is at least equal to the speed marked on the saw.
32. Ensure that the upper portion of the saw blade is completely enclosed in mitre saw mode.
33. Refrain from removing any off cuts or other parts of the workpiece from the cutting area whilst the machine is running and the saw head is not in the rest position.
34. The saw shall not be used for slotting (stopped groove).
35. Always clamp the workpiece to the saw table in mitre saw mode. Ensure before each cut that the machine is stable.

WARNING: The operation of any table mitre saw can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before beginning power tool operation, always wear safety goggles or safety glasses with side shield and a full face shield when needed.

WARNING: If any parts are missing, do not operate your table mitre saw until the missing parts are replaced. Failure to follow this rule could result in serious personal injury.

ADDITIONAL SAFETY ADVICE CARRYING YOUR TABLE MITRE SAW

Safety Advice
1. Although compact, this saw is heavy. To reduce the risk of back injury, get competent help whenever you have to lift the saw.
2. To reduce the risk of back injury, hold the tool close to your body when lifting. Bending your knees so you can lift with your legs, not your back. Lift by using the handhold areas at each side of the machines base.
3. Never carry the Table Mitre Saw by the power cord. Carrying the tool by the power cord could cause damage to the insulation or the wire connections resulting in electric shock or fire.
4. Before moving the saw tighten the mitre and bevel locking screws to guard against sudden unexpected movement.
5. Lock the Cutting Head in its lowest position. Ensure that the Cutting Head Locking Pin is completely engaged in its socket.

WARNING: Do not use the blade guard as a 'lifting point'. The power cord must be removed from the power supply before attempting to move the machine.

- Lock the Cutting Head in the down position using the Cutting Head locking pin.
- Loosen the Mitre Angle Locking Screw. Turn the table to either of its maximum settings.
- Lock the table in position using the Locking Screw.
- Use the two carry handle cut-outs machined into either side of the machine base, to transport the machine.

Place the saw on a secure stationary work surface and check the saw over carefully.

Check particularly the operation of all the machines safety features before attempting to operate the machine.

SAFETY LABELS & SYMBOLS

WARNING: Do not operate machine if warning and/or instruction labels are missing or damaged. Contact Evolution Power Tools for replacement labels.

Symbol	Description
V	Volts
A	Amperes
Hz	Hertz
min^{-1}	Speed
~	Alternating Current
No	No Load Speed
	Wear Safety Goggles
	Wear Ear Protection
	Do Not Touch
	Wear Dust Protection
	Restriction of Hazardous Substances Directive
CE	CE certification
	Waste electrical and electronic equipment

Only use genuine Evolution replacement saw blades. **Unauthorized blades may be dangerous!** Keep saw blades securely fastened. Check the blade flanges for debris before installing any new blade. Do not use dull, broken or damaged blades. Check the blade regularly for condition and wear. A damaged or worn blade should be replaced immediately. Beware of ejecting chips as they may be HOT. Always make provision for the safe handling of excess material. Keep machine base and rotary table free from dirt and other debris.

To obtain an additional copy of your Manual, please contact Evolution Power Tools at:

UK **0870 609 2297**
WEB **www.evolutionpowertools.com**

FURY 6 TABLE MITRE SAW SPECIFICATION

Designed to cut:
Mild Steel
Wood
Aluminium
Plastic

Technical Data

Motor (230V ~ 50 Hz) (Watts)	**1200**
RPM No Load (min^{-1}):	**3500**
Recommended Maximum Duty Cycle (Minutes):	**30**
Weight (kg):	**9.45**

Blade Dimensions - Multipurpose TCT

Diameter (mm):	**210**
Number of Teeth:	**20**
Bore Diameter (mm):	**25.4**
Kerf thickness (mm):	**1.7**

Maximum Cutting Capacity - Mild Steel **3 mm**

Maximum Cutting Capacity (Wood) Mitre Saw Configuration

At 90^0 mitre x 90^0 bevel (mm):	**115 x 55**
At 45^0 mitre x 90^0 bevel (mm):	**65 x 55**
At 45^0 mitre x 45^0 bevel (mm):ww	**40 x 25**

Maximum Cutting Capacity (Wood) Table Saw Configuration

Maximum cutting depth (mm):	**32 mm**

Noise and Vibration Data

Sound pressure level:	**106.3dB(A) K=3dB(A)**
Sound power level:	**119.3dB(A) K=3dB(A)**
Vibration level:	**2.5 m/S² K =1.5dB(A)**

The declared vibration total value has been measured in accordance with a standard test method and may be used for comparing one tool with another.
The declared vibration total value may also be used in a preliminary assessment of exposure.

WARNING: The vibration emission during actual use of the power tool can differ from the declared total value depending on the ways in which the tool is used. The need to identify safety measures and to protect the operator are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle, such as the times the tool is switched off, when it is running idle, in addition to trigger time).

Assembly

Your Evolution Power Tools saw is shipped complete. Remove all contents from the box and inspect to ensure no damage was incurred during shipping, and that the items listed below are included.

Items Supplied

DESCRIPTION	QUANTITY
Instruction Manual	1
Hold Down Clamp	1
Push Stick	1
Pin Spanner (Blade Change)	1
Hex Key 6mm (Blade Change)	1
Hex Key 4mm (Riving Knife Adjustment)	1
Multi-Purpose Blade (Fitted)	1
Rip Fence/Bevel Guide Assembly	1
Auxiliary Lower Blade Guard (Fitted)	1
Dust Bag Adaptor Tube	1
Workpiece Supports	2
Rear Stabilising Arms	2

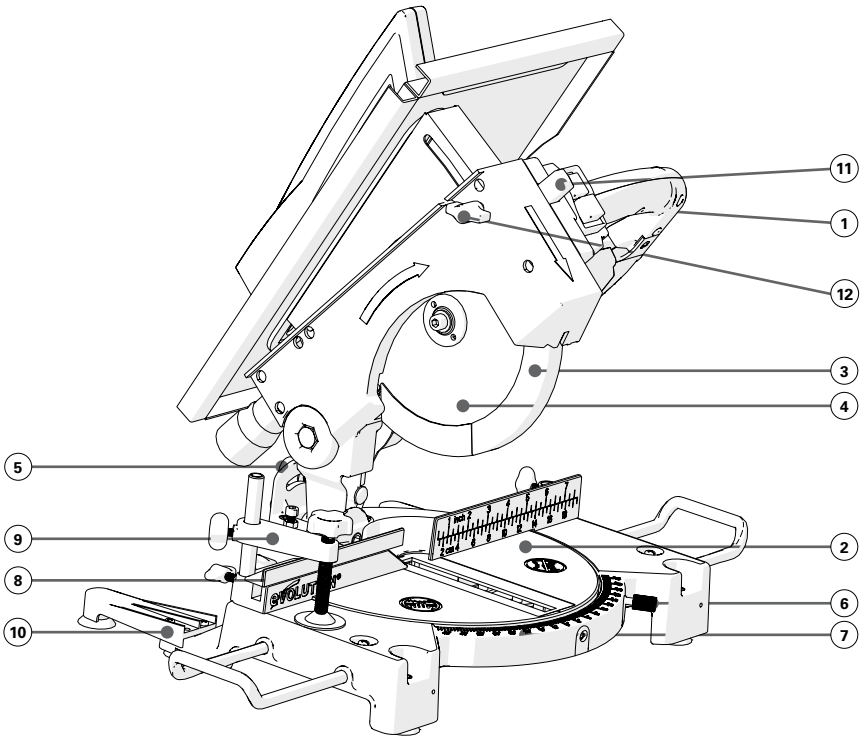
Additional Accessories
In addition to the standard accessories supplied with this machine, other accessories are available to improve its performance, these include the following items:

Specialist cutting blades – use only Evolution Blades with this machine.

Additional accessories can be obtained by contacting your local dealer (or Evolution Power Tools).

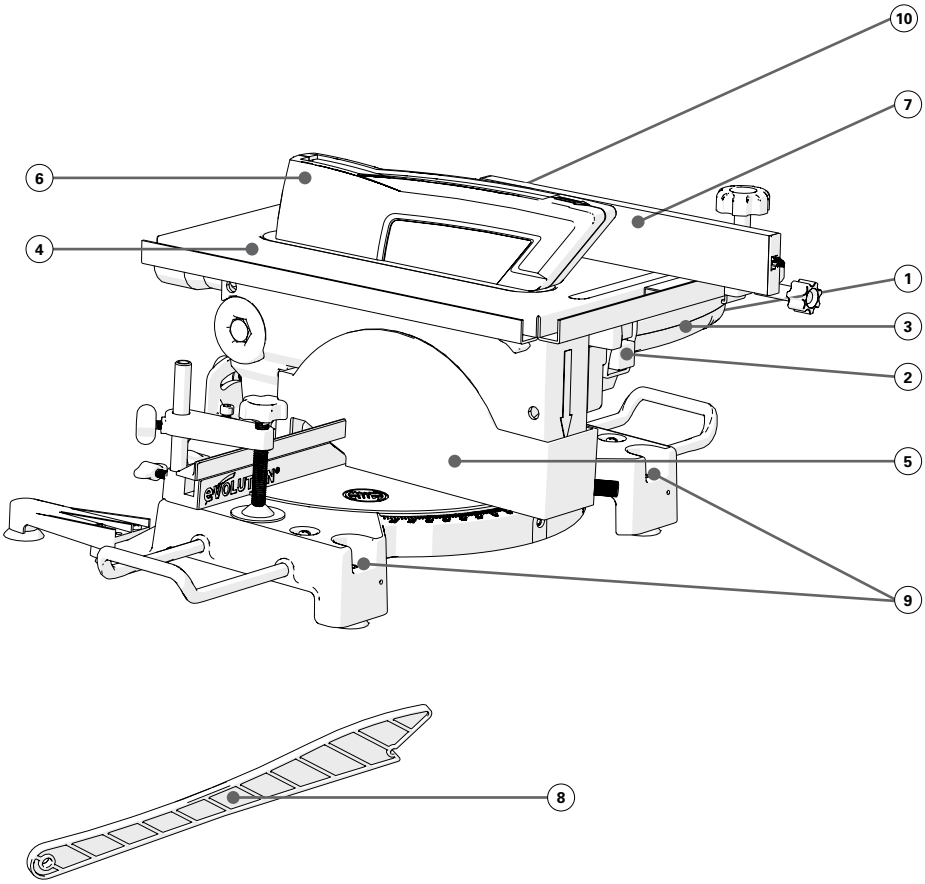
Dust Bag as an optional accessory

LH VIEW OF FURY 6 MITRE SAW CONFIGURATION



1. CUTTING HANDLE
2. ROTARY TABLE
3. RETRACTABLE LOWER BLADE GUARD
4. BLADE
5. BEVEL LOCKING LEVER (Back of the machine)
6. MITRE ANGLE LOCKING SCREW
7. MITRE ANGLE SCALE
8. FENCE
9. HOLD DOWN CLAMP
10. STABILISING ARMS (X2 Back of machine)
11. CUTTING HEAD RELEASE LEVER
12. TABLE HEIGHT ADJUSTING SCREW

LH VIEW OF FURY 6 TABLE SAW CONFIGURATION



1. ON/OFF TRIGGER SWITCH (Inside handle)
2. ON/OFF LATCHING SWITCHES
3. CUTTING HANDLE
4. TABLE TOP
5. AUXILLIARY LOWER BLADE GUARD
6. UPPER BLADE GUARD
7. RIP FENCE
8. PUSH STICK
9. MOUNTING HOLE
(2 at the front and 2 under the stabilising arms)
10. CUTTING HEAD LATCHING PIN
(Not shown in this view)

GETTING STARTED

WARNING: ALWAYS DISCONNECT THE SAW FROM THE POWER SOURCE BEFORE MAKING ANY ADJUSTMENTS.

Refer to the "Service Parts Diagram". Install a blade as detailed in the "Installing or Removing the Blade" section.

NOTE: We recommend that the operator reads the **'Important Information'** sticker applied to the table of the Fury6. Practicing and becoming familiar with the procedures outlined on this sticker will make subsequent adjustments/assembly or configuring fairly straightforward.

PERMANENTLY MOUNTING THE FURY6 TABLE/MITRE SAW (Fig. 1)

WARNING: To reduce the risk of injury from unexpected saw movement, place the saw in the desired location either on a workbench or other recommended leg set. The base of the saw has four holes to mount the mitre saw. If the saw is to be used in one location, permanently fasten it to the workbench or leg set using appropriate bolts with lock washers and nuts.

NOTE: When permanently mounting the Fury6 we recommend that the four (4) rubber feet located underneath each of the mounting holes are removed and stored safely for possible future use.

1. Tighten the mitre and bevel locks.
2. Position the saw so other people cannot stand behind it. Thrown debris could injure people in its path.
3. Place the saw on a firm, level surface where there is plenty of room for handling and properly supporting the workpiece.
4. Support the saw so that the table is level and the saw does not rock.
5. Bolt or clamp the saw to its support.

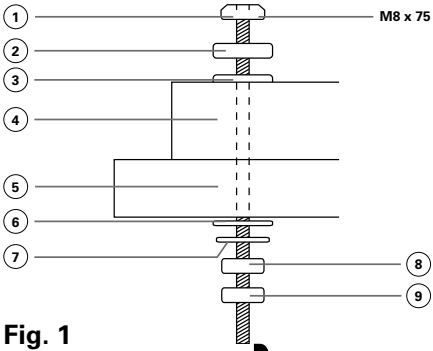


Fig. 1

1) Hex headed bolt M8 X 75
2) Spring washer
3) Flat washer
4) Mitre saw base
5) Workbench
6) Flat washer
7) Spring washer
8) Hex nut
9) Lock nut

THESE ITEMS ARE **NOT** SUPPLIED

For Portable Use (Fig. 2)

NOTE: The Fury6 is designed to be a highly portable machine.
For portable use the Fury6 must be fitted with the two (2) rear Stabilising Arms.
To fit the Stabilising Arms:

- Remove the cross head machine screws from the two (2) rear mounting positions.
- Attach the Stabilising Arms with the machine screws, two per arm and tighten securely.

NOTE: The Stabilising Arms are fitted with rubber feet. The base of the Fury6 is also fitted with four (4) identical rubber feet positioned underneath the mounting holes in the base.

When used as a portable machine the six (6) rubber feet provide the security and stability necessary for safe operation.

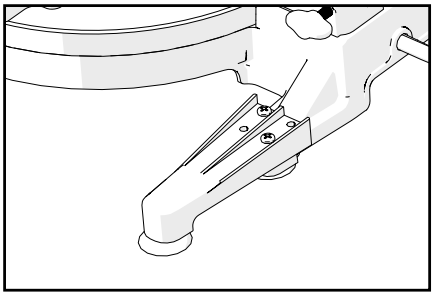


Fig. 2

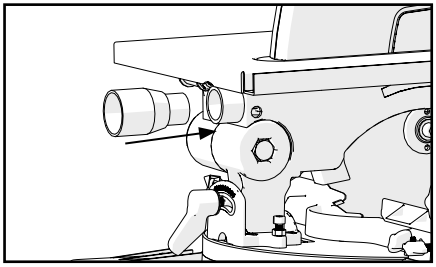


Fig. 3a

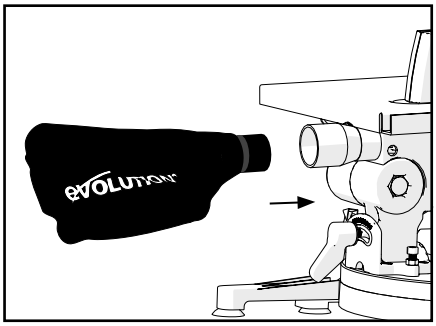


Fig. 3b (Dust bag, not supplied)

NOTE: When the machine is re-positioned the operator should ensure that none of the rubber feet become detached from the machine. The rubber feet can, in some circumstances, stick to some surfaces due to vacuum suction.
If any of the rubber feet become detached or damaged they must be replaced.

DUST BAG

A Dust Bag (not supplied) can be fitted to the extraction port at the rear of the machine. **(Fig. 3a & 3b)**

- Push the adaptor tube into the extraction port at the rear of the machine.
- Slide the Dust Bag onto the adaptor tube ensuring that the spring clip grips the tube holding the Dust Bag securely in place.

NOTE: For operational efficiency empty the Dust Bag when it becomes 2/3 full. Dispose of the contents of the Dust Bag in an environmentally responsible way. It may be necessary to wear a dust mask when emptying the Dust Bag

WARNING: DO NOT USE A DUST BAG WHEN CUTTING STEEL.

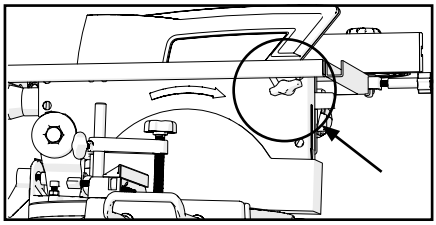


Fig. 4

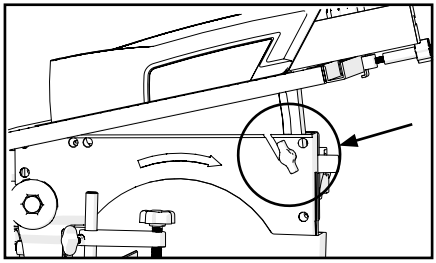


Fig. 5

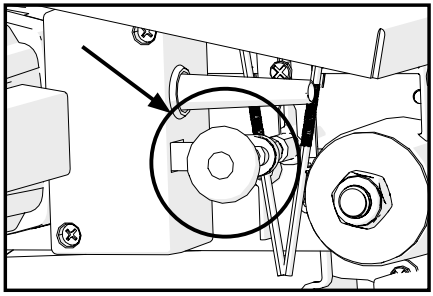


Fig. 6

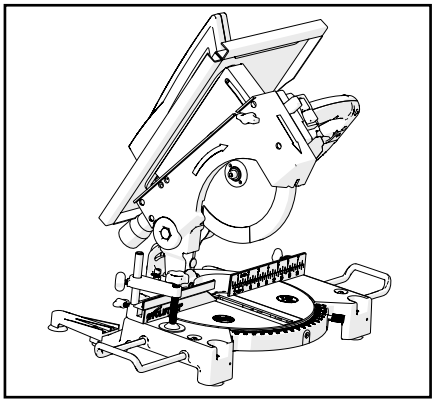


Fig. 7

TO CONFIGURE THE FURY6 FOR USE AS A MITRE SAW

WARNING: Only carry out this procedure with the machine disconnected from the power source.

Caution: The Fury6 has many built in safety features and safety interlocks. It is important that the following instructions, and those found on the label attached to the machine table are read, understood and acted upon. Failure to carry out the configuration procedure could result in damage to the machine and/or injury to the operator.

- Loosen the table height adjustment screw. **(Fig.4)**
- Raise the table top to its upmost position and tighten the height adjustment screw. **(Fig. 5)**
- Slightly push down on the Cutting Head Handle.
- Pull out the Cutting Head Latching Pin and allow the Cutting Head to rise to its upmost position. **(Fig. 6)**
- Remove the Auxiliary Lower Blade Guard and store safely for future use.

The **Fury6** is now ready to use as a **Mitre Saw. (Fig. 7)**

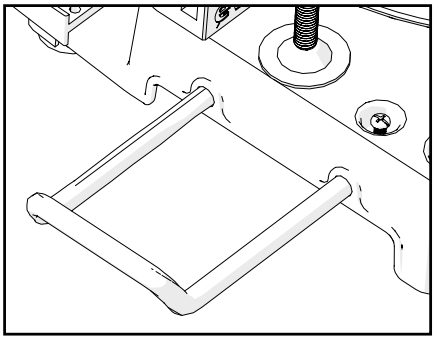


Fig. 8

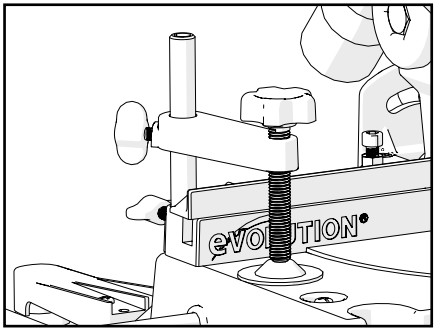


Fig. 9

WORKPIECE SUPPORTS (Fig. 8)

Workpiece supports can be fitted to both sides of the machine base if required.

- Loosen the relevant Workpiece Retaining Screw located in a socket at the top front of the machine base.
- Insert the Workpiece Support into the holes machined in the base.

NOTE: The Workpiece Support should be pushed 'fully home' into the machine base.

Correct installation will require approximately 65mm of the Workpiece Support to slide into the machine base.

- Fasten the Workpiece Support into the base by tightening the Retaining Screw.

Workpiece Supports can be very useful in providing extra support for long workpieces when using the Fury6 in Mitre Saw configuration.

HOLD DOWN CLAMP (Fig. 9)

A Hold Down clamp is supplied with the Fury6. Two sockets (one on either side) are incorporated into the rear of the machines fence.

- Fit the pillar of the clamp into the socket that best suits the cutting application, ensuring that it is pushed fully down.
- Tighten the fence thumbscrew to lock the pillar of the Hold Down Clamp into the fence socket.
- Put the workpiece onto the rotary table and against the fence.
- Adjust the Hold Down Clamp so that it securely holds the workpiece to the rotary table.
- Before attempting any cutting check to ensure that the clamp does not interfere with the blade path as the Cutting Head is lowered.

OPERATING INSTRUCTIONS MITRE SAW CONFIGURATION

WARNING: It is important that the operator is adequately trained in the use, adjustment and operation of the machine, and has read the Instruction Manual before commencing operations.

NOTE: We recommend that when the Fury6 is being used as a Mitre Saw, the complete Fence Assembly is removed from the machine as stored safely for future use.

1. Releasing the Cutting Head

NOTE: When configured in Mitre Saw mode the Cutting Head will be automatically locked in its upper position with the Retractable Lower Blade Guard completely covering the blade teeth.

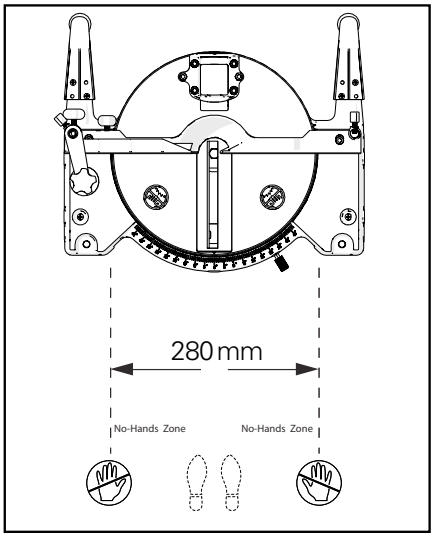


Fig. 10

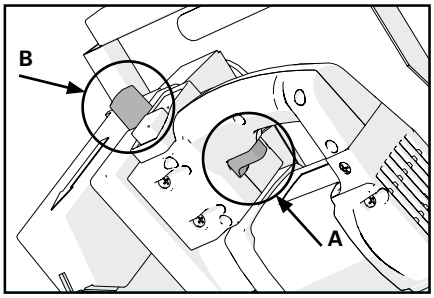


Fig. 11

To release the Cutting Head press and hold the Cutting Head Release Lever.
Gently press down on the Cutting Head Handle to lower the Cutting Head. The operation of the Retractable Lower Blade Guard is automatic.

NOTE: We recommend that when the machine is not in use the Cutting Head is locked in its down position, with the Auxiliary Lower Blade Guard correctly installed and the Cutting Head Latching Pin fully engaged in its socket.

2. Preparing to make a cut

- Avoid awkward operations and hand positions where a sudden slip could cause fingers or hands to move into the blade.
- Cut only one workpiece at a time.
- Clear everything except the workpiece and related support devices away from the blade before commencing operations. Fasten the workpiece using clamp(s) to hold the workpiece securely to the table and fence.

3. Body and Hand position (Fig. 10)

- Never place hands within the 'no hands zone' (at least 150mm away from the blade). Pictograms on the machines rotary table are provided as an aid to safe working practices. Keep hands away from the path of the blade.
- Hold the workpiece firmly to the fence to prevent any movement. Use a Hold Down Clamp if possible but check that it is positioned that it does not interfere with the path of the blade or other moving machine parts.
- Before attempting a cut, make a 'dry run' with the power off so that you can see the path of the blade.
- Keep hands in position until the ON/OFF trigger has been released and the blade has completely stopped.

4. The Mitre Saw On/Off Trigger Switch Operation (Fig. 11-A)

The On/Off Switch is a non-latching trigger type switch which is ergonomically located on the inside of the Cutting Head Handle. Operate the switch to turn on the machines motor. Release the switch to turn off the machines motor.

NOTE: The Cutting Head cannot be lowered until the Cutting Head Release Lever is operated. **(Fig. 11-B)** The Blade will remain covered by the retractable guard until the Cutting Head is released. Operation of the Retractable Guard is automatic.

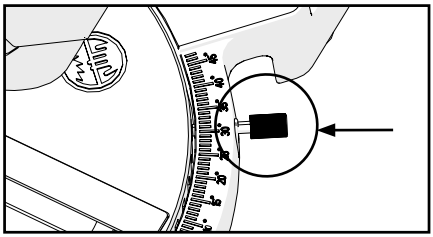


Fig. 12

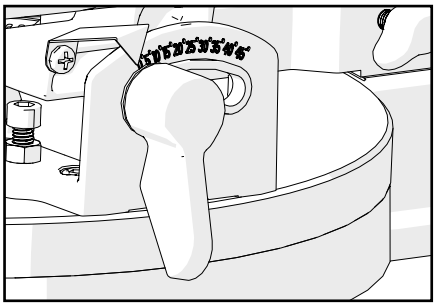


Fig. 13

5. Chop Cutting

The Cutting Head is gently pushed down to cut through the workpiece.

- Place the workpiece on the Rotary Table and against the fence in the desired position. Secure with clamp(s) as appropriate.
- Grasp the Cutting Handle.
- Turn on the motor using the trigger switch and allow the blade to reach full operating speed.
- Press and hold the Cutting Head Release Lever to release the Cutting Head.
- Gently lower the Cutting Head to its lowest position, cutting through the workpiece.
- After the cut is completed, turn off the motor by releasing the trigger switch. Allow the blade to come to a complete stop. Allow the Cutting Head to rise to its upper position.
- Only remove your hands or the workpiece from the machine when the Cutting Head is in its upper position with the blade teeth completely covered by the Retractable Blade Guard.

6. Mitre Cutting

Any angle from 45^0 left to 45^0 right is available, and a protractor scale can be found to the front of the Rotary Table. Positive stops are provided for every 5^0 of angular movement.

NOTE: The rotary table must always be locked into position with the Mitre Angle Locking Screw even if a positive stop is selected.

To select a Mitre Angle:

- Loosen the Mitre Angle Locking Screw. **(Fig.12)** This is found at the front RH side of the table near the 30^0 index mark.
- Turn the Rotary Table to the required angle. To aid setting, an index mark is machined into the table just in front of the table insert.
- Tighten the Mitre Angle Locking Screw securely when the desired angle has been selected.

A Mitre Cut can now be made using the same techniques as previously described in Chop Cutting.

7. Bevel Cutting

The Cutting Head can be set at any angle up to 45^0 to the Left Hand side only.
The Bevel Locking Lever is found at the rear of the machine. A protractor guide and pointer are incorporated into the bevel mechanism to aid setting. **(Fig.13)**

To set a Bevel Angle:

- Loosen the Bevel Lock Handle
- Tilt the Cutting Head to the desired angle. Use the protractor guide to aid with setting.
- Ensure that the Bevel Lock Handle is securely tightened when the desired angle has been achieved.

A Bevel Cut can now be made using the same techniques as previously outlined.

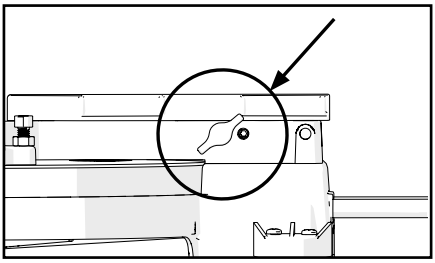


Fig. 14

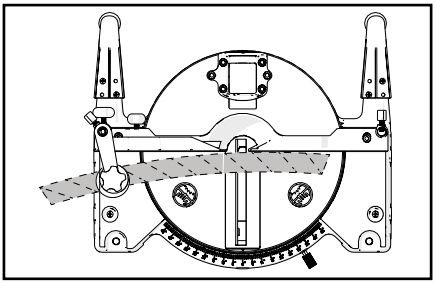


Fig. 15

NOTE: Always make a 'dry run' with the machine switched 'off' so that the path of the blade can be checked. Some Bevel and Compound Cuts may require the Hold Down Clamp to be positioned to the RH side of the Cutting Head. This may be necessary to avoid interference with the blade and other parts of the machine as the Cutting Head is lowered.

8. Fence Adjustment

NOTE: The left hand side of the fence is provided with additional adjustments. The upper portion of the fence can slide to the left to provide clearance for the blade. This may be necessary when acute bevel angles are selected.

To adjust the fence:

- Loosen the thumbscrew. **(Fig 14)**
- Slide the upper portion of the fence to the required position and tighten the thumbscrew.
- Lower the Cutting Head to check the path of the blade. Ensure there is no interference with any other parts of the machine.

9. Compound Cutting

A Compound Cut is a combination of a Mitre Cut and Bevel Cut.

- Set the Mitre Angle required as previously described.
- Set the Bevel Angle as previously described.
- Ensure the tightness of all adjustment/ locking screws, and conduct a 'dry run' to check the path of the blade.
- Make the cut as previously described.

10. Cutting Bowed Material (Fig 15)

Before cutting any workpiece, check to see if it is bowed. If it is bowed the workpiece must be positioned and cut as shown. Do not position the workpiece incorrectly or cut the workpiece without the support of the fence.

11. Clearing Jammed Material

- Turn mitre saw "OFF" .and allow the blade to come to a complete halt.
- If possible allow the Cutting Head to rise to its upper position.
- Unplug the Mitre Saw from the mains supply.
- Carefully remove any jammed material from the machine.

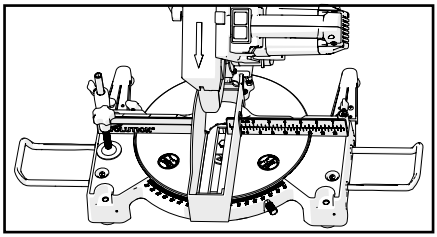


Fig. 16

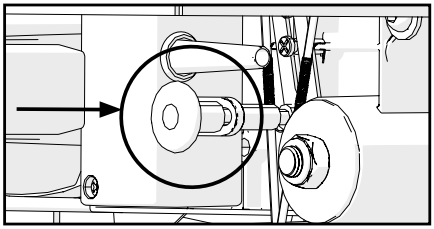


Fig. 17

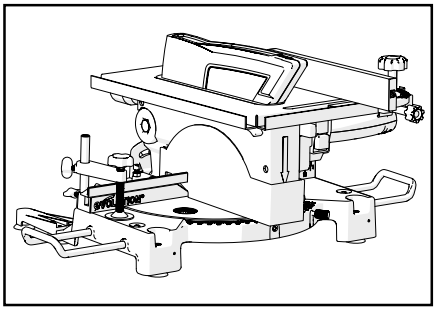


Fig. 18

TO CONFIGURE THE FURY6 FOR USE AS A TABLE SAW

WARNING: Do not cut metal or metallic materials when the machine is configured as a Table Saw.

WARNING: Only carry out this procedure with the machine disconnected from the power supply.

Caution: The Fury6 has many built in safety features and safety interlocks. It is important that the following instructions, and those found on the label attached to the machine table are read, understood and acted upon. Failure to carry out the configuration procedure could result in damage to the machine and/or injury to the operator.

- Ensure that the Rotary Table is set at 0^0 Mitre angle and the Cutting Head is set at 0^0 Bevel angle.
- Position the Auxiliary Lower Blade Guard on the Rotary Table over the table insert and straddling the Fence. **(Fig. 16)**
- Lower the Cutting Head to the fully down position, 'capturing' the Lower Auxiliary Blade Guard. Push the Cutting Head Latching Pin into its socket**. (Fig. 17)**
- Loosen the Table Height Adjustment Screw **(Fig.18)** and lower the table to its lowest position.
- Tighten the Height Adjustment Screw.

The **Fury6** is now ready to use as a **Table Saw.**

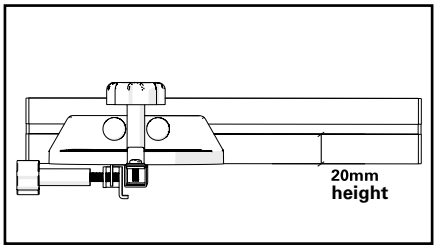


Fig. 19

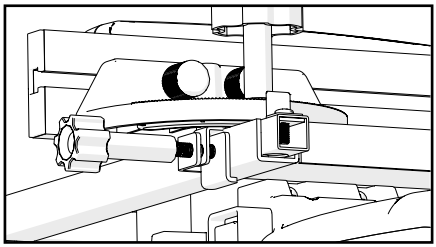


Fig. 20

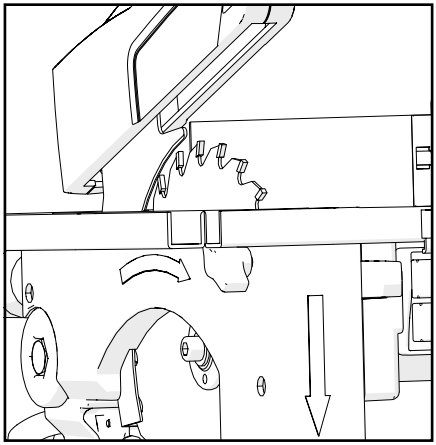


Fig. 21

FENCE ASSEMBLY (Fig. 19)

The Fence Assembly consists of two (2) main parts:

- The Angle Gauge.
- The Rip Fence Face Plate.

NOTE: The 'T' slot in the Rip Fence Face Plate is not centrally located.

- Slide the Rip Fence Face Plate onto the two (2) mounting screws found on the Angle Plate.
- Ensure that the wider (20mm) portion of the Fence Face is downwards and will lie on the saw table when in use.

The Angle Plate can now be slid into the Rip Fence channel found at the front of the machine table. **(Fig. 20)**
Slide in from the Right Hand side ensuring that the Locking Clamp engages correctly with the front face of the Rip Fence channel.

FENCE ASSEMBLY AS A RIP FENCE

To use the Fence Assembly as a Rip Fence the Face Plate must be accurately aligned with the blade.

WARNING: Only carry out this procedure with the machine disconnected from the power supply.

To Align the Rip Fence:

- Ensure that the table is at its lowest setting **(**see **Fig. 23a &23b)**
- Set the Angle Gauge to an indicated 90^0.
- Slide the Fence Assembly up to the blade, raising the Blade Guard by hand so that the Face Plate rests alongside the blade and underneath the Blade Guard. **(Fig.21)** Gently tighten the Angle Gauge Locking Clamp Screw to lock the Assembly into the Rip Fence channel.
- Check that the Face Plate is in exact alignment with the blade.
- If adjustment is required, loosen slightly the Angle Clamping Screw and adjust the Angle Gauge until exact alignment is achieved.

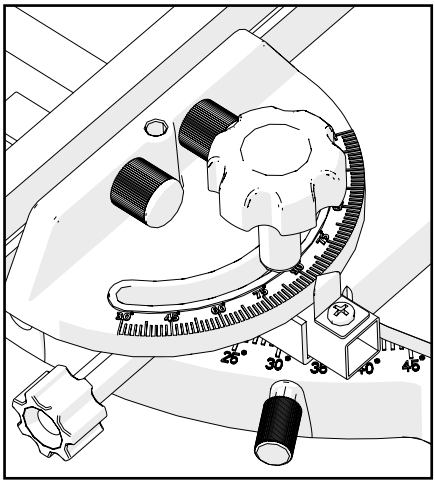


Fig. 22

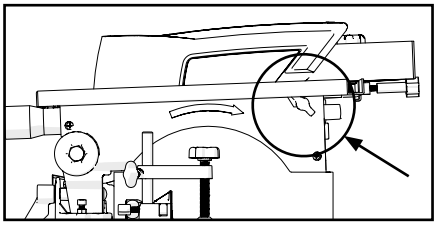


Fig. 23a

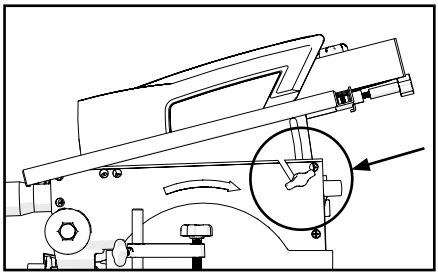


Fig. 23b

- Tighten the Angle Clamping Screw.
- Adjust the Angle Gauge Pointer if necessary to point exactly to the 90^0 index mark.
- Use a #2 Phillips Head screwdriver to loosen the Angle Pointer fixing screw. **(Fig. 22)** Adjust the pointer to suit and then retighten the fixing screw.
- Loosen the Angle Clamp Locking Screw to allow the Assembly to slide along the Rip Fence channel.

Basic Table Saw Operations

WARNING: Do not cut metal or metallic materials when the machine is configured as a Table Saw.

WARNING: Never attempt freehand cuts on this machine. Always use a correctly adjusted Rip Fence to minimise the possibility of the blade binding and kickback.

1. Adjusting the Table Height (Fig. 23a &23b)

The height of the Table above the machines motor can be adjusted. This enables your Fury6 to mimic the rise and fall facility found on many conventional table saws. The cutting depth of the blade can thereby be adjusted from 0mm to 32mm.

WARNING: Only adjust the height of the table with the machine disconnected from the mains power supply.

To adjust:

- Loosen the Height Adjustment Screw and adjust the table height so that the saw blade protrudes through the table by the required amount. Retighten the screw.

We recommend that the saw blade protrudes through the material to be cut by approximately 3mm.

WARNING: This machine is not suitable for cutting rebates or stopped grooves.

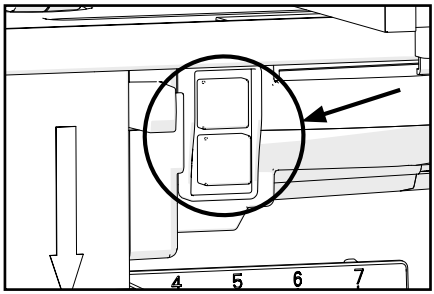


Fig. 24

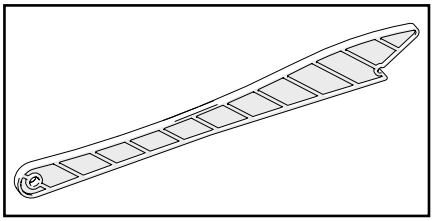


Fig. 25

NOTE: A workshop dust extraction device can be connected to the extraction port found at the rear of the machine if required.

2. Table Saw On/Off Switches (Fig. 24)

The On/Off Switch is a two (2) button latching type. The buttons are located on the Front Left Hand side of the Cutting Handle.

- Push the Green (I) button to start the motor.
- Push the Red (O) button to stop the motor.

3. Rip cutting

NOTE: The Fury6 in Table Saw mode is optimally suited for the cutting of thin sheet material such as laminate flooring etc.
Rip cutting is cutting along the length of a piece of material rather than across it.
Rip cutting should always be done with the Rip Fence set to the desired width and on the RH side of the machines table.

NOTE: Check that the Rip Fence is locked in position and is parallel to the saw blade. Check that the riving knife is properly aligned with the saw blade.
When ripping small section material a Push Stick should be used to feed/guide the final 300mm of the material past the blade. A Push Stick should always be used when making cuts of less than 300mm.

NOTE: A Push Stick **(Fig. 25)** is provided with the Fury6 and has a dedicated storage position to the front of the machine.

We recommend that when not in use the Push Stick is stored on the machine.

When ripping long boards or large panels always use a remote work support or enlist competent trained help.
Feed the workpiece through the saw keeping it indexed against the Rip Fence. Use smooth, steady pressure and employ a Push Stick when necessary.

Hands should never be in line with the blade.

MAINTENANCE AND ADJUSTMENTS

WARNING: Ensure that the machine is disconnected from the mains supply before any maintenance tasks or adjustments are attempted.

Cleaning
After each use the machine should be cleaned. Remove all sawdust etc from the visible parts of the machine with a vacuum cleaner. A vacuum cleaner can also be connected to the machine dust extraction port at the rear of the machine. This should remove debris from the inside of the machine. Never use solvents to clean plastic parts, as solvents can damage them. Clean only with a soft slightly damp cloth.

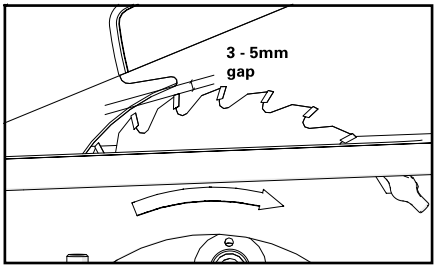


Fig. 26

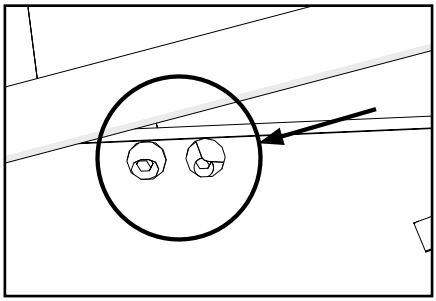


Fig. 27

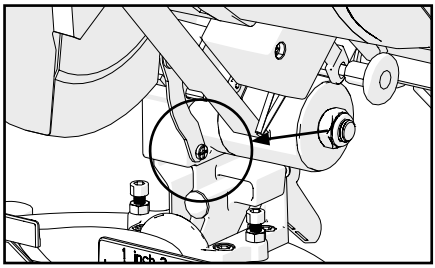


Fig. 28

Riving Knife
The Riving Knife is a very important component and comes factory fitted and correctly aligned and adjusted. The Riving Knife prevents the work from binding as it passes through the blade. Inspect the Riving Knife at regular intervals and replace it if it is worn or damaged.
The Riving Knife should be adjusted so that the gap between the tips of the blade teeth and the edge of the Riving Knife is approximately 3-5mm. **(Fig.26)**
To adjust the Riving Knife loosen the two (2) fixing screws **(Fig. 27)** slightly using an allen key. When correct alignment is achieved tighten the fixing screws.

NOTE: Use only a genuine **Evolution Riving Knife,** as this is a dedicated component for this machine. Non genuine parts could be dangerous. If in **any doubt,** please contact the **Helpline.**

Push Stick
A plastic push stick is provided with the machine. When not in use store the push stick on the machine.

NOTE: If the push stick becomes damaged it should be replaced. If the operator makes their own push stick, we recommend that it follows the same pattern as that supplied. Replacement push sticks are available from Evolution Power Tools.

INSTALLING or REMOVING a BLADE

WARNING: Only use genuine Evolution blades which are designed for use in this machine. Ensure that the maximum speed of the blade is compatible with the machine. Only perform this operation with the machine disconnected from the mains supply.

NOTE: It is recommended that the operator considers wearing protective gloves when handling the blade during installation or when changing the machines blade.

NOTE: The blade is a very precise fit within the Fury6 machine. Be patient and methodical when changing the blade.

To change a blade:

- Ensure that the machine is in Mitre Saw Mode with the Cutting Head in its upper position.
- Release the Retractable Lower Guard Operating Lever by removing and safely storing its pivot screw. **(Fig. 28)**

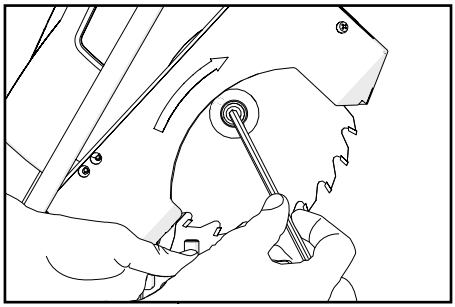


Fig. 29

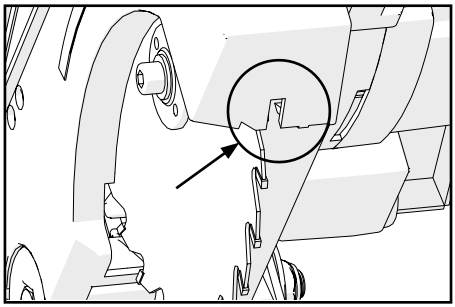


Fig. 30

- Use the pin spanner (provided) to hold the outer blade flange.
- Use the hex key (provided) to unscrew the arbor screw. **(Fig. 29)**

NOTE: The arbor screw has a Left Hand thread. Turn clockwise to undo and counterclockwise to tighten.

- Remove the arbor screw, washer and outer blade flange.
- Manually operate the Lower Blade Guard and retract it fully up into the body of the machine
- Remove the blade by withdrawing it outwards to clear the end of the arbor and then downwards and forwards away from the machine.

NOTE: The 5mm blade slot at the lower front of the Cutting Head **(Fig. 30)** provides extra clearance when manoeuvring the blade into or out of the machine.

To refit:

- Ensure that the blade is suitable for this machine.
- Ensure that the direction of rotation arrow on the blade matches the direction of rotation arrow found on the machines Side Blade Guard. The blade teeth should always point downward at the front of the saw.
- Using the blade slot to provide maximum clearance and access to the machine, carefully and gently manoeuvre the blade up into the machine and locate it on the inner blade flange.
- Reinstall the outer blade flange, washer and arbor screw.
- Hand tighten the assembly.
- Hold the outer blade flange with the pin spanner.
- Tighten the arbor screw with the hex key.
- Check that the blade spins freely by rotating it by hand.
- Close the Retractable Blade Guard around the blade so the blade teeth are completely covered.
- Re-connect the Retractable Blade Guard Operating Lever to its service position using the pivot screw.
- Check the installation, particularly for the operation of all the safety guards.

CHECKING AND SETTING OF BEVEL ANGLES

WARNING: Before making any adjustments ensure that the machine is disconnected from the power supply.

NOTE: While all angular settings have been factory set, checking and adjustment may be required as a consequence of normal operational wear and tear.

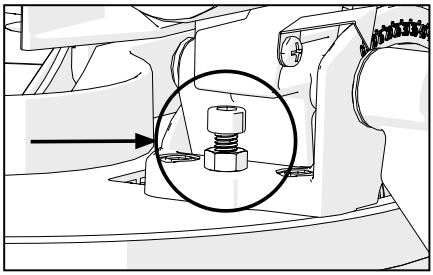


Fig. 31

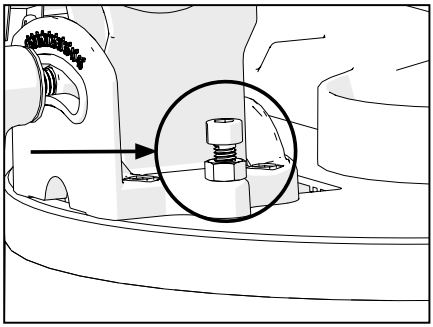


Fig. 32

NOTE: To check and adjust the Bevel Angles the machine must be in Mitre Saw configuration.

0⁰ BEVEL ANGLE

At 0⁰ Bevel Angle the blade should be perpendicular and at exactly 90⁰ to the Rotary Table. An accurate engineers square (not supplied) is needed to check the 0⁰ Bevel Angle.

To check:

- Ensure that the Cutting Head is in the vertical position, against its stop with the Bevel Pointer indicating 0⁰ Bevel Angle.
- Tighten the Bevel Lock Handle.
- Lower the Cutting Head to its lowest position. The Retractable Lower Blade Guard will rotate up into the machine.
- The engineers square can now be used to check the angle between the blade and the Rotary Table.

If adjustment is required:

NOTE: The Cutting Head will need to be tilted to gain access to the 0⁰ Bevel Stop Adjustment Screw.

- Loosen slightly the 0⁰ Bevel Stop Adjustment Screw locknut. **(Fig. 31)**
- Use an Allen Key to turn the Bevel Stop Screw clockwise or counterclockwise as required.
- When exact alignment between the blade and Rotary Table is achieved, tighten the locknut.

45⁰ BEVEL ANGLE

The 45⁰ Bevel Angle can be checked in a similar manner to the 0⁰ Bevel Angle. An accurate 45⁰ Engineers Set Square (not supplied) will be required.

To check:

- Ensure that the Cutting Head is tilted to the 45⁰ position, against its stop, with the Bevel Pointer indicating 45⁰ Bevel Angle.
- Tighten the Bevel Lock Handle.
- Lower the Cutting Head to its lowest position. The Retractable Lower Blade Guard will rotate up into the machine.
- Use the Engineers 45⁰ Set Square to check the angle of between the blade and the Rotary Table.

If adjustment is required:

NOTE: The Cutting Head will need to be tilted to gain access to the 45⁰ Bevel Stop Adjustment Screw.

- Loosen slightly the 45⁰ Bevel Stop Adjustment Screw locknut. **(Fig. 32)**
- Use a Hex Key to turn the Bevel Stop Screw clockwise or counterclockwise as required.
- When exact alignment between the blade and Rotary Table is achieved, tighten the locknut.

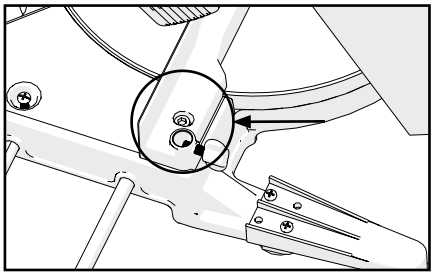


Fig. 33a

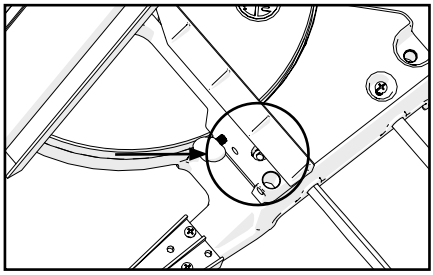


Fig. 33b

FENCE ADJUSTMENT (Fig. 33a & 33b)

The Fence is fastened to the machines base by two (2) socket head screws, one on either side. These Screws are located in elongated holes, which enable the Fence to be repositioned as required.

The Fence should be set at exactly 90^0 to a correctly installed blade.
An accurate Engineers Square (not supplied) will be required to precisely position the Fence.

To reposition the Fence:

- Set the Rotary Table to 0^0 Mitre Angle.
- Set the Cutting Head to 0^0 Bevel Angle.
- Slightly loosen the two (2) Fence socket head screws.
- Lower the Cutting Head to its lowest position.
- Check the alignment of the Fence with the Blade using the Engineers Square.
- Align the Fence as necessary and then tighten the socket head screws.

FUSE AND PLUG REPLACEMENT

Should the fuse in the main plug of your machine need replacing it should always be replaced with one of identical rating.
Check the voltage given on your machine matches the supply voltage.
This machine is supplied with a fitted moulded plug. If you should need to fit a new plug follows the protocol below.

IMPORTANT

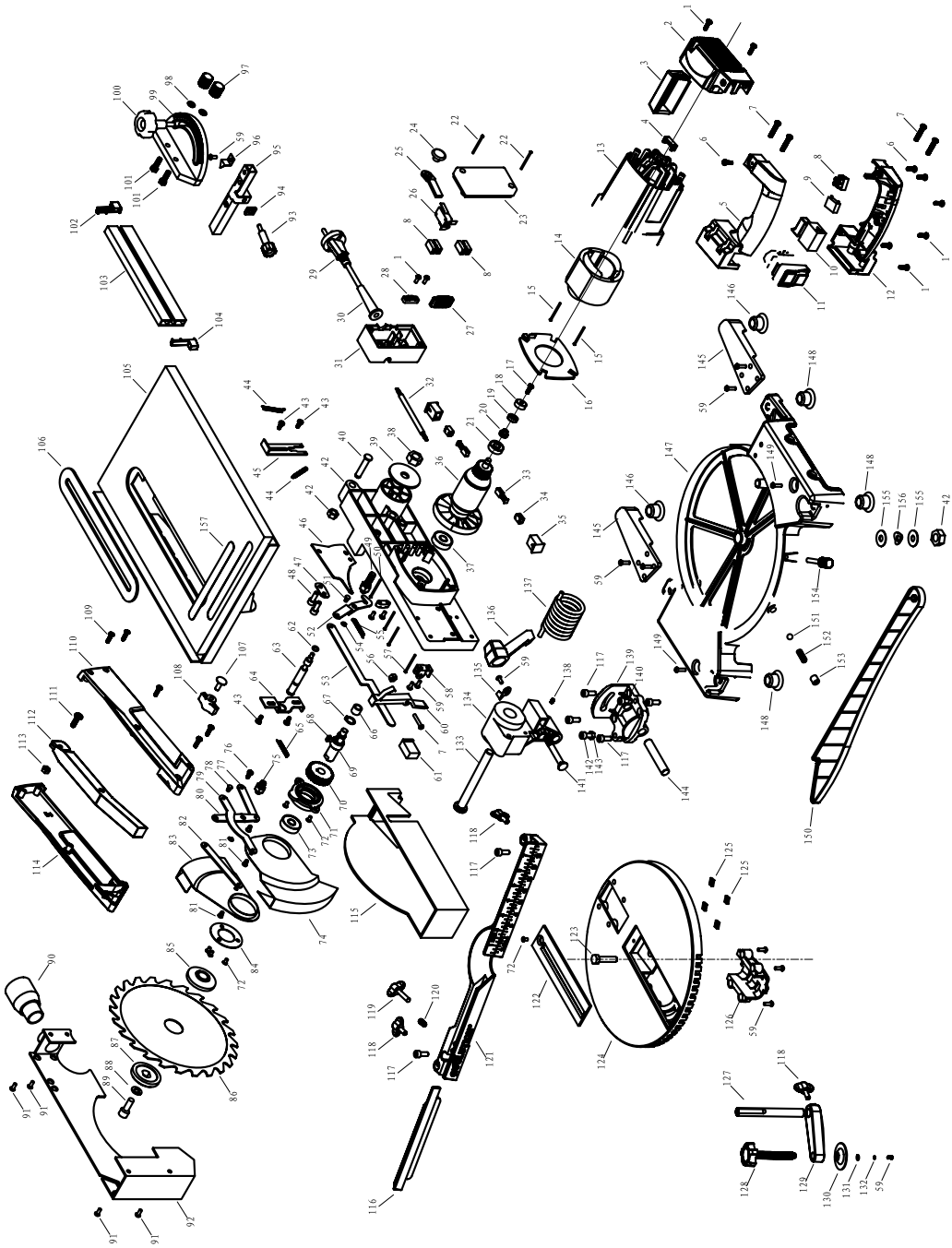
The wire in the mains lead are coloured in accordance with the following code:

Blue --- Neutral
Brown --- Live

The wire that is coloured **blue** must be connected to the terminal that is marked with the letter **N.** The wire that is coloured **brown** must be connected to the terminal that is marked with the letter **L.**
A 13AMP (BS1363 or BS1363/A) plug must be used and a 13 AMP fuse must be fitted.

ENVIRONMENTAL PROTECTION

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.



UK ADDRESS:

Evolution Power Tools,
Venture One, Longacre Close, Holbrook
Industrial Estate, Sheffield, S20 3FR

TEL: +44 (0) 114 251 1022
FAX: +44 (0) 114 247 3339